

C A M B R I A

ROZE

January 26, 2001

Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Fourth Quarter 2000 Monitoring Report**
Shell-branded Service Station
5755 Broadway
Oakland, California
Incident #98995756
Cambria Project #243-0483-002

00 JAN 30 PM 3:05
ENVIRONMENTAL
PROTECTION
AGENCY



Dear Ms. Hugo:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

FOURTH QUARTER 2000 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled selected site wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

Groundwater Extraction: On October 30, 2000 and November 6, 2000, Blaine conducted two groundwater extraction (GWE) events using well S-2. The GWE was done to facilitate source removal and potential migration. Mass removal data from these events are presented in Table 1.

ANTICIPATED FIRST QUARTER 2001 ACTIVITIES

Groundwater Monitoring: Blaine will gauge and sample all wells and tabulate the data. Cambria will prepare a monitoring report.

Oakland, CA
San Ramon, CA
Sonoma, CA

**Cambria
Environmental
Technology, Inc.**

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

Dual Phase Vacuum Extraction: Cambria will coordinate one mobile dual-phase vacuum extraction (DVE) event from well S-2. No additional DVE events are scheduled at this time. Details of this event and mass removal data will be presented in Cambria's first quarter 2001 monitoring report.

CLOSING



We appreciate the opportunity to work with you on this project. Please call Darren Croteau at (510) 420-3331 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Darren Croteau
Project Geologist

Stephan A. Bork, C.E.G., C.H.G.
Associate Hydrogeologist

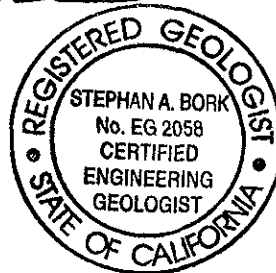


Figure: 1 - Groundwater Elevation Contour Map

Table: 1 - Groundwater Extraction - Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Zimskigutman Enterprises, 6046 Lawton, Oakland, CA 94618-1803

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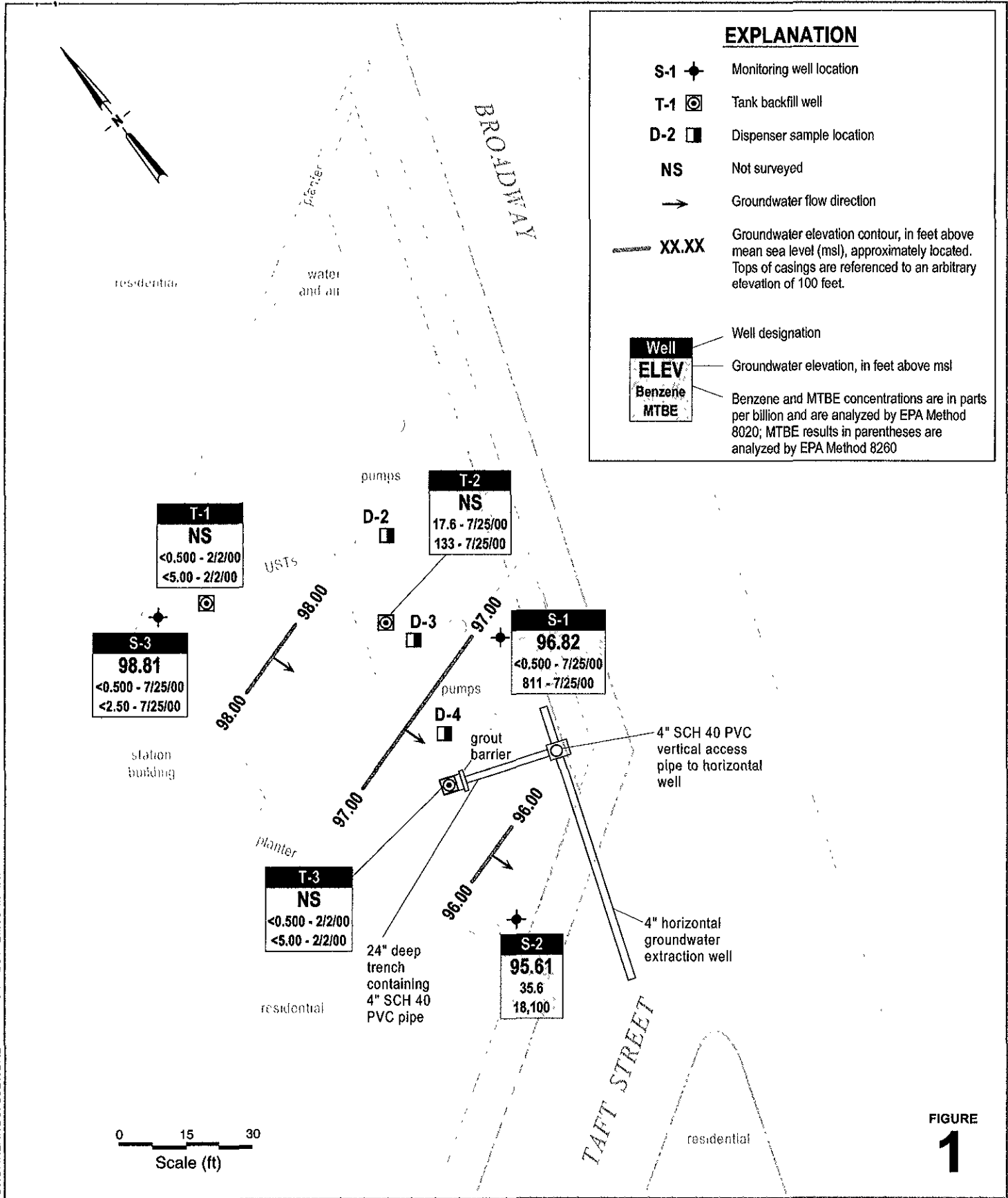


FIGURE 1

G:\OAKLAND\5755BROADWAY\FIGURES\14QM00-MP.A1

Shell-branded Service Station
 5755 Broadway
 Oakland, California
 Incident #98995756



C A M B R I A

Groundwater Elevation Contour Map
 November 15, 2000

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995756, 5755 Broadway, Oakland, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE To Date (pounds)
04/21/00	S-2	30	30	02/02/00	103	0.00003	0.00003	0.825	0.00000	0.00000	10,500	0.00263	0.00263
05/23/00	S-2	50	80	04/26/00	4,040	0.00169	0.00171	799	0.00033	0.00033	19,000	0.00793	0.01056
07/12/00	S-2	1,007	1,087	04/26/00	4,040	0.03395	0.03566	799	0.00671	0.00705	19,000	0.15965	0.17021
08/12/00	S-2	50	1,137	07/25/00	1,120	0.00047	0.03613	195	0.00008	0.00713	21,100	0.00880	0.17901
09/14/00	S-2	0	1,137	07/25/00	1,120	0.00000	0.03613	195	0.00000	0.00713	21,100	0.00000	0.17901
10/11/00	S-2	0	1,137	07/25/00	1,120	0.00000	0.03613	195	0.00000	0.00713	21,100	0.00000	0.17901
10/30/00	S-2	32	1,169	07/25/00	1,120	0.00030	0.03642	195	0.00005	0.00718	21,100	0.00563	0.18465
11/06/00	S-2	35	1,204	07/25/00	1,120	0.00033	0.03675	195	0.00006	0.00724	21,100	0.00616	0.19081
11/15/00	S-2	12	1,216	11/15/00	613	0.00006	0.03681	35.6	0.00000	0.00724	18,100	0.00181	0.19262
04/21/00	Horizontal	700	700	NA	NA	0.00000	0.00000	NA	0.00000	0.00000	NA	0.00000	0.00000
05/23/00	Horizontal	2,155	2,855	05/23/00	750	0.01349	0.01349	72.8	0.00131	0.00131	406	0.00730	0.00730
07/12/00	Horizontal	44	2,899	05/23/00	750	0.00028	0.01376	72.8	0.00003	0.00134	406	0.00015	0.00745
08/12/00*	Horizontal	2,000	4,899	05/23/00	750	0.01252	0.02628	72.8	0.00121	0.00255	406	0.00678	0.01423
09/14/00	Horizontal	1,044	5,943	05/23/00	750	0.00653	0.03281	72.8	0.00063	0.00318	406	0.00354	0.01776
10/11/00	Horizontal	800	6,743	05/23/00	750	0.00501	0.03782	72.8	0.00049	0.00367	406	0.00271	0.02047
Total Gallons Extracted:		7,959			Total Pounds Removed:		0.07463			0.01091	Total Gallons Removed:		0.21309
					Total Gallons Removed:		0.01223			0.00149			0.03437

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995756, 5755 Broadway, Oakland, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)

Abbreviations & Notes:

TPPH = Total purgeable hydrocarbons as gasoline

MtBE = Methyl tert-butyl ether

µg/L = Micrograms per liter

ppb = Parts per billion, equivalent to µg/L

L = Liter

gal = Gallon

g = Gram

* = Purge volume estimated

Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10⁶µg) x (pound/453.6g) x (3.785 L/gal)

Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)

TPPH, benzene analyzed by EPA Method 8015/8020

MTBE analyzed by EPA Method 8260 in bold font, all other MTBE analyzed by EPA Method 8020

Concentrations based on most recent groundwater monitoring results

Groundwater extracted by vacuum trucks provided by ACTI. Water disposed of at a Martinez Refinery.

ATTACHMENT A
Blaine Groundwater Monitoring Report
and Field Notes

BLAINE
TECH SERVICES INC.



1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

January 9, 2001

Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91510-7869

Fourth Quarter 2000 Groundwater Monitoring at
Shell-branded Service Station
5755 Broadway
Oakland, CA

Monitoring performed on November 15, 2000

Groundwater Monitoring Report 001114-X-2

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, appropriate calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read "Deidre Kerwin", with a long horizontal flourish extending to the right.

Deidre Kerwin
Operations Manager

DK/jt

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Suite C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA
Wic #204-5510-0303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-1	01/25/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	100.00	3.88	96.12	NA
S-1	06/03/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	100.00	3.51	96.49	NA
S-1	08/30/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	100.00	4.24	95.76	NA
S-1	11/22/1991	<30	2.3	<0.46	0.3	<0.65	NA	NA	100.00	4.29	95.71	NA
S-1	03/13/1992	<30	<0.52	<0.3	<0.3	<0.3	NA	NA	100.00	2.87	97.13	NA
S-1	05/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	100.00	3.79	96.21	NA
S-1	08/19/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	100.00	4.43	95.57	NA
S-1	11/18/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	100.00	4.34	95.66	NA
S-1	02/10/1993	51	1.4	<0.5	<0.5	<0.5	NA	NA	100.00	4.20	95.80	NA
S-1 (D)	02/10/1993	<50	1.2	<0.5	<0.5	<0.5	NA	NA	100.00	4.20	95.80	NA
S-1	06/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	100.00	3.39	96.61	NA
S-1	08/03/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	100.00	3.69	96.31	NA
S-1	11/02/1993	70a	<0.5	<0.5	<0.5	<0.5	NA	NA	100.00	4.26	95.74	NA
S-1	12/16/1993	NA	NA	NA	NA	NA	NA	NA	100.00	2.73	97.27	NA
S-1	02/01/1994	60a	<0.5	<0.5	<0.5	<0.5	NA	NA	100.00	3.38	96.62	NA
S-1	05/04/1994	<50	1.1	<0.5	<0.5	<0.5	NA	NA	100.00	3.00	97.00	NA
S-1	08/18/1994	<50	0.6	<0.5	<0.5	<0.5	NA	NA	100.00	3.70	96.30	NA
S-1 (D)	08/18/1994	60a	0.5	<0.5	<0.5	<0.5	NA	NA	100.00	3.70	96.30	NA
S-1	11/09/1994	<50	4	<0.5	<0.5	<0.5	NA	NA	100.00	2.52	97.48	NA
S-1	02/22/1995	50	0.8	0.7	<0.5	1.3	NA	NA	100.00	4.08	95.92	NA
S-1	05/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	100.00	2.58	97.42	NA
S-1	08/30/1995	<50	1.7	<0.5	<0.5	<0.5	NA	NA	100.00	3.48	96.52	NA
S-1	11/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	100.00	3.99	96.01	NA
S-1	02/02/1996	<50	11	<0.5	0.9	<0.5	NA	NA	100.00	2.00	98.00	NA
S-1	03/09/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	100.00	3.38	99.62	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA
Wic #204-5510-0303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-1	08/22/1996	<50	1.5	<0.5	<0.5	<0.5	130	NA	100.00	3.43	96.57	NA
S-1	11/07/1996	<50	<0.5	<0.5	<0.5	<0.5	57	NA	100.00	3.70	96.30	4.33
S-1	02/20/1997	<50	0.64	<0.50	<0.50	1.6	6.5	NA	100.00	3.60	96.40	2
S-1	05/30/1997	<50	<0.50	<0.50	<0.50	<0.50	46	NA	100.00	3.47	96.53	7
S-1 (D)	05/30/1997	<50	<0.50	<0.50	<0.50	<0.50	47	NA	100.00	3.47	96.53	7
S-1	08/21/1997	<50	<0.50	<0.50	<0.50	0.84	26	NA	100.00	3.01	96.99	3.1
S-1	11/03/1997	<50	<0.50	1.1	<0.50	1.3	190	NA	100.00	3.66	96.34	2
S-1	01/20/1998	110	7.9	2.8	4.4	13	53	NA	100.00	1.84	98.16	4.6
S-1 (D)	01/20/1998	130	9.2	6.9	5.2	15	93	NA	100.00	1.84	98.16	4.6
S-1	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	8.6	NA	100.00	2.43	97.57	2.2
S-1	09/07/1999	NA	NA	NA	NA	NA	NA	NA	100.00	2.84	97.16	NA
S-1	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	202	NA	100.00	3.10	96.90	2.1
S-1	04/26/2000	NA	NA	NA	NA	NA	NA	NA	100.00	2.91	97.09	NA
S-1	07/25/2000	<50.0	<0.500	<0.500	<0.500	<0.500	811	NA	100.00	3.21	96.79	1.8
S-1	11/15/2000	NA	NA	NA	NA	NA	NA	NA	100.00	3.18	96.82	NA

S-2	01/25/1991	450	140	1.8	6.2	15	NA	NA	98.92	4.52	94.40	NA
S-2	06/03/1991	490	150	2.7	8.2	7	NA	NA	98.92	4.02	94.90	NA
S-2	08/30/1991	70	0.37	<0.3	<0.3	<0.3	NA	NA	98.92	4.70	94.22	NA
S-2	11/22/1991	1,600	110	9.3	29	150	NA	NA	98.92	4.72	94.20	NA
S-2	03/13/1992	1,300	210	5.7	34	79	NA	NA	98.92	3.47	95.45	NA
S-2	05/28/1992	100	28	<0.5	<0.5	<0.5	NA	NA	98.92	4.45	94.45	NA
S-2	08/19/1992	470	42	<0.5	8.3	4	NA	NA	98.92	4.84	94.08	NA
S-2	11/18/1992	490	43	39	17	29	NA	NA	98.92	4.73	94.19	NA
S-2	02/10/1993	19,000	710	760	80	370	NA	NA	98.92	4.83	94.09	NA
S-2	06/11/1993	33,000	3,100	1,600	370	1,100	NA	NA	98.92	3.74	95.18	NA

WELL CONCENTRATIONS
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S-2	08/03/1993	18,000	1,400	130	81	130	NA	NA	98.92	4.23	94.69	NA
S-2 (D)	08/03/1993	19,000	1,400	140	86	150	NA	NA	98.92	4.23	94.69	NA
S-2	11/02/1993	12,000a	470	47	31	92	NA	NA	98.92	4.72	94.20	NA
S-2 (D)	11/02/1993	13,000a	530	47	35	96	NA	NA	98.92	4.72	94.20	NA
S-2	12/16/1993	NA	NA	NA	NA	NA	NA	NA	98.92	3.00	95.92	NA
S-2	02/01/1994	31,000a	430	46	50	130	NA	NA	98.92	3.48	95.44	NA
S-2 (D)	02/01/1994	31,000a	300	33	30	100	NA	NA	98.92	3.48	95.44	NA
S-2	05/04/1994	3,900	1,200	31	53	71	NA	NA	98.92	3.26	95.66	NA
S-2 (D)	05/04/1994	4,500	1,200	37	57	110	NA	NA	98.92	3.26	95.66	NA
S-2	08/18/1994	24,000	600	8.3	15	27	NA	NA	98.92	3.98	94.94	NA
S-2	11/09/1994	1,400a	240	9.3	13	20	NA	NA	98.92	3.10	95.82	NA
S-2 (D)	11/09/1994	1,800	260	8.5	13	21	NA	NA	98.92	3.10	95.82	NA
S-2	02/22/1995	29,000	550	18	12	63	NA	NA	98.92	4.02	94.90	NA
S-2 (D)	02/22/1995	28,000	530	17	10	60	NA	NA	98.92	4.02	94.90	NA
S-2	05/02/1995	4,400	1,000	25	38	77	NA	NA	98.92	2.86	96.06	NA
S-2 (D)	05/02/1995	4,400	1,000	26	41	83	NA	NA	98.92	2.86	96.06	NA
S-2	08/30/1995	800	350	20	6.7	16	NA	NA	98.92	4.06	94.86	NA
S-2 (D)	08/30/1995	960	220	22	12	48	NA	NA	98.92	4.06	94.86	NA
S-2	11/28/1995	2,000	230	220	50	230	NA	NA	98.92	4.48	94.44	NA
S-2 (D)	11/28/1995	2,100	240	230	51	230	NA	NA	98.92	4.48	94.44	NA
S-2	02/02/1996	18,000	540	18	12	22	NA	NA	98.92	1.99	96.93	NA
S-2 (D)	02/02/1996	11,000	600	18	13	28	NA	NA	98.92	1.99	96.93	NA
S-2	03/09/1996	3,800	1,500	27	30	58	NA	NA	98.92	3.27	95.65	NA
S-2 (D)	03/09/1996	3,500	1,300	24	21	53	NA	NA	98.92	3.27	95.65	NA
S-2	08/22/1996	<20,000	490	<200	<200	<200	43,000	NA	98.92	3.85	95.07	NA
S-2 (D)	08/22/1996	<20,000	570	<200	<200	<200	59,000	51,000	98.92	3.85	95.07	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA
Wic #204-5510-0303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-2	11/07/1996	<5,000	290	<50	<50	<50	32,000	NA	98.92	4.00	94.92	3.51
S-2 (D)	11/07/1996	<5,000	290	<50	<50	<50	32,000	NA	98.92	4.00	94.92	3.51
S-2	02/20/1997	<10,000	520	<100	<100	<100	28,000	NA	98.92	3.20	95.72	1
S-2 (D)	02/20/1997	<10,000	520	<100	<100	<100	35,000	NA	98.92	3.20	95.72	1
S-2	05/30/1997	150	15	11	3.5	15	11	NA	98.92	3.87	95.05	6
S-2	08/21/1997	1,600	220	<10	20	<10	18,000	NA	98.92	3.29	95.63	3.3
S-2 (D)	08/21/1997	1,500	180	<10	16	<10	21,000	NA	98.92	3.29	95.63	3.3
S-2	11/03/1997	1,000	94	<10	<10	<10	<50	NA	98.92	4.02	94.90	1.8
S-2	01/20/1998	590	110	8.3	18	23	7,800	NA	98.92	1.54	97.38	3.2
S-2	07/23/1998	2,600	840	<10	44	22	15,000	NA	98.92	2.89	96.03	NA
S-2	02/16/1999	680	140	6.1	10	18	19,000	NA	98.92	1.86	97.06	2.0
S-2	09/07/1999	<2,000	248	<20.0	<20.0	<20.0	22,800	NA	98.92	3.66	95.26	1.8
S-2	02/02/2000	103	0.825	<0.500	<0.500	<0.500	11,700	10,500	98.92	4.02	94.90	2.0
S-2	04/26/2000	4,040	799	<20.0	40.9	255	19,000	17,100b	98.92	2.63	96.29	2.3
S-2	07/25/2000	1,120	195	5.94	5.62	11.3	26,600	21,100	98.92	3.42	95.50	0.6
S-2b	11/15/2000	613	35.6	<5.00	<5.00	7.36	18,100	17,800	98.92	3.31	95.61	1.8

S-3	01/25/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	101.67	3.84	97.83	NA
S-3	06/03/1991	<30	<0.3	0.3	0.3	0.3	NA	NA	101.67	3.25	98.42	NA
S-3	08/03/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	101.67	4.73	96.94	NA
S-3	11/22/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	101.67	4.81	96.86	NA
S-3	03/13/1992	<30	<0.3	0.3	0.3	0.3	NA	NA	101.67	2.29	99.38	NA
S-3	05/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	3.62	98.05	NA
S-3	08/19/1992	<50	<0.5	<0.5	<0.5	0.5	NA	NA	101.67	4.66	97.01	NA
S-3	11/18/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	4.51	97.16	NA
S-3	02/10/1993	30	1.9	3.2	2.4	5.6	NA	NA	101.67	4.36	97.31	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA
Wic #204-5510-0303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-3	06/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	2.91	98.76	NA
S-3 (D)	06/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	2.91	98.76	NA
S-3	08/03/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	3.70	97.97	NA
S-3	11/02/1993	Well inaccessible		NA	NA	NA	NA	NA	101.67	NA	NA	NA
S-3	12/16/1993	NA	NA	NA	NA	NA	NA	NA	101.67	2.12	99.55	NA
S-3	02/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	2.90	98.77	NA
S-3	05/04/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	2.54	99.13	NA
S-3	08/18/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	3.51	98.16	NA
S-3	11/09/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	2.44	99.23	NA
S-3	02/22/1995	80	<0.5	0.5	<0.5	0.5	NA	NA	101.67	4.12	97.55	NA
S-3	05/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	2.83	98.84	NA
S-3	08/30/1995	<50	0.5	<0.5	<0.5	<0.5	NA	NA	101.67	3.16	98.51	NA
S-3	11/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	3.87	97.80	NA
S-3	02/02/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	2.24	99.43	NA
S-3	03/09/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	101.67	3.05	98.62	NA
S-3	08/22/1996	<50	0.8	<0.5	<0.5	<0.5	<2.5	NA	101.67	2.85	98.82	4.6
S-3	11/07/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	101.67	3.35	98.32	4.6
S-3	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	101.67	3.00	98.67	1
S-3	05/30/1997	140	14	10	3.3	14	8.6	NA	101.67	3.00	98.67	8
S-3	08/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	101.67	2.94	98.73	3.3
S-3	11/03/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	101.67	3.36	98.31	2.4
S-3 (D)	11/03/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	101.67	3.36	98.31	2.4
S-3	01/20/1998	Well inaccessible		NA	NA	NA	NA	NA	101.67	NA	NA	NA
S-3	07/23/1998	NA	NA	NA	NA	NA	NA	NA	101.67	2.69	98.98	NA
S-3	02/16/1999	<50	<0.50	0.92	0.59	3.9	3.7	NA	101.67	2.20	99.47	2.8
S-3	09/07/1999	NA	NA	NA	NA	NA	NA	NA	101.67	2.81	98.86	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA
Wic #204-5510-0303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-3	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	101.67	3.97	97.70	2.7
S-3	04/26/2000	NA	NA	NA	NA	NA	NA	NA	101.67	2.96	98.71	NA
S-3	07/25/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	101.67	3.00	98.67	0.8
S-3	11/15/2000	NA	NA	NA	NA	NA	NA	NA	101.67	2.86	98.81	NA

T-1	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	2.65	NA	NA
T-1	08/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	2.69	NA	NA
T-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	3.09	NA	NA
T-1	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	0.61	NA	NA
T-1	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	2.32	NA	NA
T-1	02/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	1.95	NA	NA
T-1	09/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	2.48	NA	NA
T-1	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	2.66	NA	2.5
T-1	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	2.56	NA	NA
T-1	07/25/2000	NA	NA	NA	NA	NA	NA	NA	NA	2.60	NA	NA
T-1	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	2.47	NA	NA

T-2	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	1.81	NA	NA
T-2	08/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	1.89	NA	NA
T-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	2.25	NA	NA
T-2	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	0.55	NA	NA
T-2	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	1.21	NA	NA
T-2	02/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	1.08	NA	NA
T-2	09/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	0.72	NA	NA
T-2	02/02/2000	1,540	53.4	20.8	11.4	21.8	1,330	NA	NA	0.98	NA	3.0
T-2	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	1.02	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA
Wic #204-5510-0303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
T-2	07/25/2000	815	17.6	10.8	1.63	3.47	133	NA	NA	1.80	NA	0.8
T-2	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	1.68	NA	NA
T-3	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	2.31	NA	NA
T-3	08/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	1.57	NA	NA
T-3	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	3.50	NA	NA
T-3	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	0.76	NA	NA
T-3	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	0.82	NA	NA
T-3	02/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	0.55	NA	NA
T-3	09/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	2.89	NA	NA
T-3	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	3.02	NA	2.9
T-3	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	2.81	NA	NA
T-3	07/25/2000	NA	NA	NA	NA	NA	NA	NA	NA	3.00	NA	NA
T-3	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	1.70	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA
Wic #204-5510-0303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Abbreviations:

TPPH= Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = parts per billion

ppm = parts per million

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

Notes:

a = Chromatogram pattern indicated an unidentified hydrocarbon.

b = This sample analyzed outside of EPA recommended hold time.

Top of casing elevations referenced to arbitrary elevation of 100 ft.



Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

12 December, 2000

Nick Sudano
Blaine Tech Services (Shell)
1680 Rogers Avenue
- San Jose, CA 95112

RE: 5755 Broadway
Sequoia Report: MJK0681

Enclosed are the results of analyses for samples received by the laboratory on 11/16/00 13:24. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Client Services Manager

CA ELAP Certificate #1210





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose CA, 95112	Project: 5755 Broadway Project Number: 5755 Broadway Project Manager: Nick Sudano	Reported: 12/12/00 10:05
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-2	MJK0681-01	Water	11/15/00 10:28	11/16/00 13:24





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 5755 Broadway
Project Number: 5755 Broadway
Project Manager: Nick Sudano

Reported:
12/12/00 10:05

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-2 (MJK0681-01) Water Sampled: 11/15/00 10:28 Received: 11/16/00 13:24									
Purgeable Hydrocarbons	613	500	ug/l	10	OK30002	11/30/00	11/30/00	DHS LUFT	H-02,P-03
Benzene	35.6	5.00	"	"	"	"	"	"	H-02
Toluene	ND	5.00	"	"	"	"	"	"	H-02
Ethylbenzene	ND	5.00	"	"	"	"	"	"	H-02
Xylenes (total)	7.36	5.00	"	"	"	"	"	"	H-02
Methyl tert-butyl ether	18100	250	"	100	"	"	11/30/00	"	H-02,M-03
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>94.4 %</i>		<i>70-130</i>	"	"	<i>11/30/00</i>	"	<i>H-02</i>





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose CA, 95112	Project: 5755 Broadway Project Number: 5755 Broadway Project Manager: Nick Sudano	Reported: 12/12/00 10:05
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MTBE Confirmation by EPA Method 8260A
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-2 (MJK0681-01) Water Sampled: 11/15/00 10:28 Received: 11/16/00 13:24									
Methyl tert-butyl ether	17800	1000	ug/l	1000	0L12001	12/11/00	12/11/00	EPA 8260A	H-02
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130		"	"	"	"	H-02





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose CA, 95112	Project: 5755 Broadway Project Number: 5755 Broadway Project Manager: Nick Sudano	Reported: 12/12/00 10:05
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0K30002 - EPA 5030B [P/T]

Blank (0K30002-BLK1)		Prepared & Analyzed: 11/30/00								
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.57		"	10.0		95.7	70-130			

LCS (0K30002-BS1)		Prepared & Analyzed: 11/30/00								
Purgeable Hydrocarbons	227	50.0	ug/l	250		90.8	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.53		"	10.0		95.3	70-130			

Matrix Spike (0K30002-MS1)		Source: MJK0709-02		Prepared & Analyzed: 11/30/00						
Purgeable Hydrocarbons	215	50.0	ug/l	250	ND	86.0	60-140			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.72		"	10.0		97.2	70-130			

Matrix Spike Dup (0K30002-MSD1)		Source: MJK0709-02		Prepared & Analyzed: 11/30/00						
Purgeable Hydrocarbons	212	50.0	ug/l	250	ND	84.8	60-140	1.41	25	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.84		"	10.0		98.4	70-130			





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose CA, 95112	Project: 5755 Broadway Project Number: 5755 Broadway Project Manager: Nick Sudano	Reported: 12/12/00 10:05
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MTBE Confirmation by EPA Method 8260A - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0L12001 - EPA 5030B [P/T]

Blank (0L12001-BLK1)		Prepared & Analyzed: 12/11/00								
Methyl tert-butyl ether	ND	1.00	ug/l							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.6</i>		"	<i>10.0</i>		<i>106</i>	<i>70-130</i>			
LCS (0L12001-BS1)		Prepared & Analyzed: 12/11/00								
Methyl tert-butyl ether	10.2	1.00	ug/l	10.0		102	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.7</i>		"	<i>10.0</i>		<i>107</i>	<i>70-130</i>			
Matrix Spike (0L12001-MS1)		Source: MJK0340-01		Prepared & Analyzed: 12/11/00						
Methyl tert-butyl ether	53.4	5.00	ug/l	50.0	ND	107	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>19.3</i>		"	<i>10.0</i>		<i>193</i>	<i>70-130</i>			<i>S-04</i>
Matrix Spike Dup (0L12001-MSD1)		Source: MJK0340-01		Prepared & Analyzed: 12/11/00						
Methyl tert-butyl ether	60.5	5.00	ug/l	50.0	ND	121	70-130	12.5	25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>17.9</i>		"	<i>10.0</i>		<i>179</i>	<i>70-130</i>			<i>S-04</i>





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 5755 Broadway
Project Number: 5755 Broadway
Project Manager: Nick Sudano

Reported:
12/12/00 10:05

Notes and Definitions

H-02 This sample was analyzed outside of EPA recommended hold time.

M-03 Sample was analyzed at a second dilution per clients request.

P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-2555

CONDUCT ANALYSIS TO DETECT

LAB Sequoia
 ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

EPA
 SWA 8 REGION

001115-X2

CLIENT Equiva - Karen Petryna
 SITE 5755 Broadway
 Oakland, CA

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		C = COMPOSITE ALL CONTAINERS	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			S= SOIL W=H ₂ O	TOTAL											
S-2	11/15/00	1028	W	3	VOR'S		X	X				Confirm highest MTBE Hit by 8260			01

Send invoice to Equiva
 Incident # 98995756
 Send report to Blaine Tech Services, Inc.
 ATTN: Ann Pember
 Nick Sorano

SAMPLING COMPLETED	DATE 11/15/00	TIME 1040	SAMPLING PERFORMED BY	HOYT RYACES	RESULTS NEEDED	NO LATER THAN
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME	
<i>[Signature]</i>	11/16/00	11:00	<i>[Signature]</i>	11/16	11:00	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME	
<i>[Signature]</i>			Thomas M. [Signature]	11/14/00	13:24 PM	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME	

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 001030-52 Date 10/30/00 Client Exp. # 99595256

Site 5755 Broadway - Oakland, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
S-1	3					2.25	11.71	TOC
S-2	4			1" Slurrier		2.50	9.53	↓
S-3	4					2.40	9.56	
T-1	12	(NO SKIM)		(NO SO4 DETECTED)		2.89	13.40	
T-2	12	(NO SKIM)		(NO SO4 DETECTED)		2.11	13.01	
T-3	4			(NO SO4 DETECTED)		3.36	8.77	
<p>Notes: 1" Slurrier in well # S-2, No skimmer in well # T-1,</p>								

Monitoring
WELL DEVELOPMENT DATA SHEET

Project #: 001030-52	Client: Equiva
Developer: Stephan	Date Developed: 10/30/00
Well I.D. S-2	Well Diameter: (circle one) 2 3 <u>4</u> 6
Total Well Depth: Before 9.53 After	Depth to Water: Before 2.50 After
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):

$(12 \times (d^2/4) \times \pi) / 231$

where

L = in / foot

d = diameter (in.)

$\pi = 3.1416$

231 = in³/gal

Well dia. VCF

2"	=	3.16
3"	=	3.37
4"	=	3.65
6"	=	4.47
8"	=	4.08
12"	=	6.87

"Purge only"
! Case Volume X Specified Volumes = _____ gallons

Purging Device: Baier Electric Submersible
 Middleburg Suction Pump
 Type of Installed Pump _____
 Other equipment used _____

TIME	TEMP (F)	pH	COND	TURBIDITY	VOLUME REMOVED	NOTATIONS
1315	Start	purge	DTW @ 8.50			
1320	DTW @	8.50				
1325	DTW @	8.50				
1335	Stop	purge +	Insufficient H ₂ O			
1345	Start	purge	DTW @ 7.75			
1400	Stop	purge +	DTW @ 8.48 +	Insufficient H ₂ O		
1430	Start	purge +	DTW @ 7.01			
1435	Stop	purge -	DTW @ 8.62 +	Insufficient H ₂ O		
1500	Start	purge -	DTW @ 7.05			
1505	Stop	purge -	DTW @ 8.45 -	Insufficient H ₂ O		
1530	Start	purge -	DTW @ 6.80			
1535	Stop	purge -	DTW @ 8.53 -	Insufficient H ₂ O		
1600	Start	purge -	DTW @ 8.80 7.35			
1605	Stop	purge -	DTW @ 8.50 -	Insufficient H ₂ O		
1630	Start	purge -	DTW @ 7.35			
1635	Stop	purge -	DTW @ 8.50 -	Insufficient H ₂ O		

WELL GAUGING DATA

Project # 001106-AZ Date 11-6-00 Client EDUEVA

Site 5755 BROADWAY OAKLAND

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
S-2	4					2.74	9.43	TOC	

Monitoring
WELL DEVELOPMENT DATA SHEET

Project #: 01106-A2	Client: Equiva
Developer: Oscar	Date Developed: 11/6/00
Well I.D. S-2	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before 9.43 After 9.43	Depth to Water: Before 2.74 After 6.87
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF): $(12 \times (d^2/4) \times \pi) / 231$	Well dia.
where	VCF
12 = in / foot	2" = 0.16
d = diameter (in.)	3" = 0.37
$\pi = 3.1416$	4" = 0.65
231 = qt / gal	6" = 1.47
	10" = 4.08
	12" = 6.87

Purge X ONLY

1 Case Volume Specified Volumes = gallons

Purging Device: Bailer Electric Submersible

 Middleburg Suction Pump

Type of Installed Pump _____

Other equipment used _____

TIME	TEMP (F)	pH	COND	TURBIDITY	VOLUME REMOVED:	NOTATIONS
1145						Start Purge
1149		6.79				DTW below rest of pump
1153		7.09				DTW Below Pump intake ≈ 8 gal
1230	52.1					Stopped purge @ 1232 DTW 6.98 ≈ 4 gal
1300	52.1					Stopped purge @ 1302 DTW 6.98 ≈ 4 gal
1330	5.20					Stopped purge @ 1330 DTW 6.98 ≈ 4 gal
1400	5.69					Stopped purge @ 1401 DTW 6.98 ≈ 4 gal
1430	5.69					Stopped purge @ 1431 DTW 6.98 ≈ 4 gal
1500	6.02					Stopped purge @ 1501 DTW 6.98 ≈ 3 gal
1530	6.00					Stopped Purge @ 15 DTW 6.98 ≈ 3 gal
1540	6.78					Stopped Purge @ 1541 DTW 6.98 ≈ 3 gal
		DTW 6.87				Total Gal Purged ≈ 39.5

Did Well Dewater? Yes. Note above Gallons Actual Evacuated

WELL GAUGING DATA

Project # 00114-X2 Date 11/15/00 Client EQUIVA

Site 5755 Broadway, OAKLAND

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
S-1	3					3.18	11.38	↑
S-2	4					3.31	9.38	
S-3	4					2.86	9.48	
T-1	12		NO SPH Detected			2.47	13.44	
T-2	12		NO SPH Detected			1.68	13.04	
T-3	4		NO SPH Detected			1.70	8.73	✓

SHELL WELL MONITORING DATA SHEET

Project #: 001115-X2	WIC #: 98995756
Sampler: HBYT	Date: 11/15/00
Well I.D.: S-2	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 9.38	Depth to Water: 3.31
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Sampling Method: Bailer
Middleburg Extraction Port
Electric Submersible Other: _____
 Extraction Pump

Other: _____

<u>3.9</u>	x	<u>3</u>	=	<u>11.8</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1023	64.3	6.27	1011	15.3	4	
1024	65.3	6.62	1156	07.4	8	
1025	65.1	6.72	1158	03.5	12	

Did well dewater? Yes No Gallons actually evacuated: 12

Sampling Time: 1028 Sampling Date: 11/15/00

Sample I.D.: S-2 Laboratory: Sequoia Crosby

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

Equipment Blank I.D.: @ _____ Duplicate I.D.: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: 1.5 mg/L